

**AMENDMENTS TO THE SPECIFICATION**

Please replace the paragraph beginning at page 22, line 14, which starts with “According to this modification...” with the following amended paragraph.

According to this modification, if any eigenvalue(s) exist(s) that is (or are) lower in level than a predetermined value, then the signal(s) converted with the low-level eigenvalue(s) and corresponding eigenvector(s) is (or are) not used for the subsequent process. Specifically, if the level of eigenvalue  $\lambda_2$  is as low as the noise level, then the ~~conversion vector calculator~~ signal converter 440 outputs a conversion ~~vector~~ matrix  $\Lambda'$  without the element using eigenvalue  $\lambda_2$  as follows:

Please replace the paragraph beginning at page 22, line 23, which starts with “Since the output signals from the signal converter 440...” with the following amended paragraph.

Since the output signals from the signal converter 440 do not include the signal(s) associated with eigenvalue(s) that is (are) judged to be the low level eigenvalue: i.e., the signal associated with  $\lambda_2$ , in this specific example, the number of signals to be processed by the adaptive array signal processors 400a 100c is equal to or less than M. This contributes to the reduction of the processing load in the adaptive array signal processors 400a 100c.”